# Author Index Volumes 107–112


Abouchami, W., see Lapierre, H. et al. 108: 61
Ajie, H.O., Hauschka, P.V., Kaplan, I.R. and Sobel, H., Comparison of bone collagen and osteocalcin for determination of radiocarbon ages and paleodietary reconstruction 107: 380
Albarède, F., see Chaussidon, M. and Albarède, F. 108: 229
Allard, P., see Le Cloarec, M.F. et al. 108: 19
Allègre, C.-J., see Pegram, W.J. and Allègre, C.-J. 111: 59
Allègre, C.J., see Luck, J.-M. and Allègre, C.J. 107: 406
Amakawa, H., Shimizu, H. and Masuda, A., Reply to comment by H. Elderfield on "Isotopic composition of Ce, Nd and Sr in ferromanganese nodules from the Pacific and Atlantic Oceans, the Baltic and Barents Seas, and the Gulf of Bothnia" 111: 563
Ardouin, B., see Le Cloarec, M.F. et al. 108: 19
Armijo, R., see Francheteau, J. et al. 111: 109
Arnaud, N.O., Vidal, Ph., Tapponnier, P., Matte, Ph. and Deng, W.M., The high $K_2O$ volcanism of northwestern Tibet: Geochemistry and tectonic implications 111: 351
Arndt, N.T., see Jochum, K.P. et al. 107: 272
Arnold, M., see Stiros, S.C. et al. 108: 109
Ashi, J., see Kobayashi, K. et al. 109: 347
Ayliffe, L.K., Veeh, H.H. and Chivas, A.R., Oxygen isotopes of phosphate and the origin of island apatite deposits 108: 119

Balanyá, J.C., see Torné, M. et al. 110: 163
Banda, E., see Torné, M. et al. 110: 163
Banner, J.L., Wasserburg, G.J., Chen, J.H. and Humphrey, J.D., Uranium-series evidence on diagenesis and hydrology in Pleistocene carbonates of Barbados, West Indies 107: 129
Banner, J.L., Wasserburg, G.J., Chen, J.H. and Humphrey, J.D., Uranium-series evidence on diagenesis and hydrology in Pleistocene carbonates of Barbados, West Indies (erratum) 108: 307
Bansal, B.M., see Shih, C.-Y. et al. 108: 203
Barnola, J.-M., see Martinerie, P. et al. 112: 1
Beck, C., see Lallemand, S.E. et al. 109: 333
Bédard, J.H., Kerr, R.C. and Hallworth, M.A., Porous sidewall and sloping floor crystallization experiments using a reactive mush: implications for the self-channelization of residual melts in cumulates 111: 319
Beer, J., see Chengde, S. et al. 109: 169
Behrensmeyer, A.K., see Tauxe, L. et al. 109: 561
Behrmann, J.H., Conditions for hydrofracture and the permeability of accretionry wedges 107: 550
Bekins, B.A. and Dreiss, S.J., A simplified analysis of parameters controlling dewatering in accretionary prisms 109: 275
Berger, A. and Loutre, M.F., Astronomical solutions for paleoclimate studies over the last 3 million years 111: 369
Berkovits, D., see Herut, B. et al. 109: 179
Bernat, M., see Borchiellini, S. et al. 107: 217
Berner, U., see Taira, A. et al. 109: 431
Bideau, D., see Cannat, M. et al. 109: 87
Bideau, D., see Hekinian, R. et al. 108: 259
Birkenmajer, K., see Keller, R.A. et al. 111: 287
Biscaye, P.E., see Grousset, F.E. et al. 111: 175
Black, T.M., Chronology of the Middle Pleistocene Kidnappers Group, New Zealand and correlation to global oxygen isotope stratigraphy 109: 573
Blum, N., see Francheteau, J. et al. 111: 109
Blum, N., see Lonsdale, P. et al. 109: 73
Blum, N., see Lonsdale, P. et al. 110: 246
Boaretto, E., see Herut, B. et al. 109: 179
Boclet, D., see Jéhanno, C. et al. 109: 229
Boclet, D., see Robin, E. et al. 107: 715
Boehler, R., Melting of the Fe-FeO and the Fe-FeS systems at high pressure: Constraints on core temperatures catalytic oxidation method 111: 217

Bogomolov, Ye.S., Migration of lead in non-metamict zircon 107: 625
Böhlke, J.K. and Irwin, J.J., Brine history indicated by argon, krypton, chlorine, bromine, and iodine analyses of fluid inclusions from the Mississippi Valley type lead–fluorite–barite deposits at Hansonburg, New Mexico 110: 51
Bohrmann, G., see Botz, R. and Bohrmann, G. 107: 612
Bohsung, J., see Jessberger, E.K. et al. 112: 91
Bonani, G., see Chengde, S. et al. 109: 169
Bonté, Ph., see Robin, E. et al. 108: 181
Bonté, Ph., see Robin, E. et al. 107: 715
Borchiellini, S., Bernat, M. and Campredon, R., Facteurs contrôlant les émanations du radon de sources situées dans des régions a relief accentuée: influence de la sismicité (Alpes Maritimes, France). [Factors controllong radon emissions from sources in regions of accentuated relief: the influence of seismicity (Maritime Alps, France)] 107: 217
Bosch, D., see Lancelot, J.R. and Bosch, D. 107: 539
Botz, R. and Bohrmann, G., Low-temperature opal-CT precipitation in Antarctic deep-sea sediments: evidence from oxygen isotopes 107: 612
Bougault, H., see Cannat, M. et al. 109: 87
Boulegue, J., see Kobayashi, K. et al. 109: 347
Boulegue, J., see Sakai, H. et al. 109: 391
Boulègue, J., see Chamot-Rooke, N. et al. 109: 319
Boulègue, J., see Gamo, T. et al. 109: 383
Boulègue, J., see Vénec-Peyré, M.-T. et al. 109: 405
Bourlès, D.L., Brown, E.T., Raisbeck, G.M., Yiou, F. and Gieskes, J.M., Beryllium isotope geochemistry of hydrothermally altered sediments 109: 47
Boyd, S.R., Pillinger, C.T., Milledge, H.J. and Seal, M.J., C and N isotopic composition and the infrared absorption spectra of coated diamonds: evidence for the regional uniformity of $CO_2$–$H_2O$ rich fluids in lithospheric mantle 108: 139
Boyd, S.R., Pillinger, C.T., Milledge, H.J., Mendelssohn, M.J. and Seal, M., C and N isotopic composition and the infrared absorption spectra of coated diamonds: evidence for the regional uniformity of $CO_2$–$H_2O$ rich fluids in lithospheric mantle (erratum) 109: 633
Boyle, E.A., see Sherrell, R.M. and Boyle, E.A. 111: 155
Brenan, J.M. and Watson, E.B., Partitioning of trace elements between olivine and aqueous fluids at high $P$–$T$ conditions: implications for the effect of fluid composition on trace element transport 107: 672
Brown, E.T., see Bourlès, D.L. et al. 109: 47
Brückmann, W., see Taira, A. et al. 109: 431
Buhay, W.M., Comment on Increase of radiation sensitivity of ESR centers by faulting and criteria of fault dates (erratum) 107: 433
Bühler, F., see Krähenbühl, U. et al. 110: 95
Burgess, R., Kelley, S.P., Parsons, I., Walker, F.D.L. and Worden, R.H., $^{40}Ar$-$^{39}Ar$ analysis of perthite microtextures and fluid inclusions in alkali feldspars from the Klokken syenite, South Greenland 109: 147
Burnett, D.S., see LaTourrette, T.Z. and Burnett, D.S. 110: 227
Burton, K.W. and O'Nions, R.K., High-resolution garnet chronometry and the rates of metamorphic processes 107: 649
Byrne, T., see Maltman, A. et al. 109: 463
Byrne, T., see Taira, A. et al. 109: 431

Čadek, O. and Ricard, Y., Toroidal/poloidal energy partitioning and global lithospheric rotation during Cenozoic time 109: 621
Cadet, J.-P., see Lallemand, S.E. et al. 109: 333
Cambray, H., see Kobayashi, K. et al. 109: 347
Camerlenghi, A., Cita, M.B., Hieke, W. and Ricchiuto, T., Geological evidence for mud diapirism on the Mediterranean Ridge accretionary complex 109: 493
Campbell, A.C., see German, C.R. et al. 107: 101
Campredon, R., see Borchiellini, S. et al. 107: 217
Canil, D., see Trønnes, R.D. et al. 111: 241
Canil, D., Orthopyroxene stability along the peridotite solidus and the origin of cratonic lithosphere beneath southern Africa 111: 83
Cannat, M., see Hekinian, R. et al. 108: 259
Cannat, M., Bideau, D. and Bougault, H., Serpentinized peridotites and gabbros in the Mid-Atlantic Ridge axial valley at 15°37'N and 16°52'N 109: 87
Canot-Laurent, S., see J.-P. Cogné, and Canot-Laurent, S. 112: 147
Carey, S., see Sigurdsson, H. et al. 109: 543
Carl, C., see Wendt, I. et al. 107: 618
Carter, A., see Lewis, C.L.E. et al. 112: 131

Cartwright, I. and Valley, J.W., Steep oxygen-isotope gradients at marble–matagranite contacts in the northwest Adirondack Mountains, New York, USA: products of fluid-hosted diffusion 107: 148
Cassidy, J., see Shibuya, H. et al. 111: 41
Chabernaud, T., see Taira, A. et al. 109: 431
Chakaveh, S., see Jessberger, E.K. et al. 112: 91
Chamberlain, C.P., see Sonder, L.J. and Chamberlain, C.P. 111: 517
Chamot-Rooke, N., see Henry, P. et al. 109: 355
Chamot-Rooke, N., see Kobayashi, K. et al. 109: 347
Chamot-Rooke, N., Lallemant, S.J., Le Pichon, X., Henry, P., Sibuet, M., Boulègue, J., Foucher, J.-P., Furuta, T., Gamo, T., Glaçon, G., Kobayashi, K., Kuramoto, S., Ogawa, Y., Schultheiss, P., Segawa, J., Takeuchi, A., Tarits, P. and Tokuyama, H., Tectonic context of fluid venting at the toe of the eastern Nankai accretionary prism: Evidence for a shallow detachment fault 109: 319
Chan, L.H., Edmond, J.M., Thompson, G. and Gillis, K., Lithium isotopic composition of submarine basalts: implications for the lithium cycle in the oceans 108: 151
Channell, J.E.T. and Erba, E., Early Cretaceous polarity chrons CM0 to CM11 recorded in northern Italian land sections near Brescia 108: 161
Channell, J.E.T. and Erba, E., Early Cretaceous polarity chrons CM0 to CM11 recorded in northern Italian land sections near Brescia (erratum) 110: 245
Chaussidon, M. and Albarède, F., Secular boron isotope variations in the continental crust: an ion microprobe study 108: 229
Chauvel, C., Hofmann, A.W. and Vidal, P., HIMU–EM: The French Polynesian connection 110: 99
Cheminee, J.L., see Francheteau, J. et al. 111: 109
Cheminée, J.-L., Stoffers, P., McMurtry, G., Richnow, H., Puteanus, D. and Sedwick, P., Gas-rich submarine exhalations during the 1989 eruption of Macdonald Seamount 107: 318
Chen, J.H., see Banner, J.L. et al. 107: 129
Chen, J.H., see Banner, J.L. et al. 108: 307
Chengde, S., Beer, J., Tungsheng, L., Oeschger, H., Bonani, G., Suter, M. and Wölfli, W., $^{10}$Be in Chinese loess 109: 169
Chéry, J., Lucazeau, F., Daignières, M. and Vilotte, J.P., Large uplift of rift flanks: A genetic link with lithospheric rigidity? 112: 195
Chica-Olmo, M., see Olóriz, F. et al. 111: 407
Chivas, A.R., see Ayliffe, L.K. et al. 108: 119
Christie, D.M., see Pyle, D.G. et al. 112: 161
Chung, S.-L. and Sun, S.s., A new genetic model for the East Taiwan Ophiolite and its implications for Dupal domains in the Northern Hemisphere 109: 133
Cisowski, S.M., Remanent magnetic properties of unbrecciated eucrites 107: 173
Cita, M.B., see Camerlenghi, A. et al. 109: 493
Clague, D.A., see Goldstein, S.J. et al. 107: 25
Clague, D.A., see Goldstein, S.J. et al. 109: 255
Claoué-Long, J.C., King, R.W. and Kerrich, R., Rely to comment by F. Corfu and D.W. Davis on "Archaean hydrothermal zircons in the Abitibi greenstone belt: constraints on the timing of gold mineralisation" 109: 601
Clocchiatti, R., see Schiano, P. et al. 111: 69
Cluzel, D., Late Palaeozoic to early Mesozoic geodynamic evolution of the Circum-Pacific orogenic belt in South Korea and Southwest Japan 108: 289
Cochrane, G.R., see MacKay, M.E. et al. 109: 477
Collerson, K.D., see Williams, R.W. et al. 111: 257
Collinson, D.W., see Morden, S.J. and Collinson, D.W. 109: 185
Colliston, W.P., see Reimold, W.U. et al. 112: 213
Condomines, M., see Sigmarsson, O. et al. 110: 149
Cordery, M.J. and Morgan, J.P., Melting and mantle flow beneath a mid-ocean spreading center 111: 493
Coulon, C., see Lapierre, H. et al. 108: 61
Craig, H., see Farley, K.A. et al. 111: 183
Craig, H., see Somayajulu, B.L.K. et al. 107: 197
Crawford, A.J., see Yaxley, G.M. et al. 107: 305
Crozaz, G., see Floss, C. and Crozaz, G. 107: 13

D'Hondt, S., see Sigurdsson, H. et al. 109: 543
Daignières, M., see Chéry, J. et al. 112: 195
De Jong, K., Wijbrans, J.R. and Féraud, G., Repeated thermal resetting of phengites in the Mulhacen complex (Betic Zone, southeastern Spain) shown by $^{40}$Ar/$^{39}$Ar step heating and single grain laser probe dating 110: 173
Deino, A.D., see Tauxe, L. et al. 109: 561
Delaney, J.R., see Goldstein, S.J. et al. 107: 25

Delaney, J.R., see Goldstein, S.J. et al. 109: 255
Delaney, J.R., see Thomson, R.E. et al. 111: 141
Delaney, J.R., see Woods, A.W. and Delaney, J.R. 112: 117
Deng, W.M., see Arnaud, N.O. et al. 111: 351
Deniel, C., see Williams, R.W. et al. 111: 257
DePaolo, D.J., see Richter, F.M. et al. 109: 11
DePaolo, D.J., see Schrag, D.P. et al. 111: 305
Déruelle, B., Dreibus, G. and Jambon, A., Iodine abundances in oceanic basalts: implications for Earth dynamics 108: 217
Devey, C.W., see Mertz, D.F. et al. 107: 243
Dietrich, W., see Monaghan, M.C. et al. 111: 483
Dobson, J.P. and Heller, F., Remagnetization in southeast China and the collision and suturing of the Huanan and Yangtze blocks 111: 11
Dreibus, G., see Déruelle, B. et al. 108: 217
Dreiss, S.J., see Bekins, B.A. and Dreiss, S.J. 109: 275
Dunbar, N.W., see Hervig, R.L. and Dunbar, N.W. 111: 97
Dymond, J., see Moore, W.S. and Dymond, J. 107: 55

Eberhardt, P., see Krähenbühl, U. et al. 110: 95
Edmond, J.M., see Chan, L.H. et al. 108: 151
Edmond, J.M., see German, C.R. et al. 107: 101
Eggins, S.M., Green, D.H. and Falloon, T.J., The Tasmantid Seamounts: shallow melting and contamination of an EM1 mantle plume 107: 448
Eisenhauer, A., Gögen, K., Pernicka, E. and Mangini, A., Climatic influences on the growth rates of Mn crusts during the late Quaternary 109: 25
Elderfield, H., The Ce-Nd-Sr isotope systematics of seawater: Comment on "Isotopic compositions of Ce, Nd and Sr in ferromanganese nodules from the Pacific and Atlantic Oceans, the Baltic and Barents Seas and the Gulf of Bothnia", by H. Amakawa, J. Ingri, A. Masuda and H. Shimizu 111: 557
Elmore, R.D., see Hillegeist, T.K. et al. 109: 531
Emerman, S.H., see Marrett, R. and Emerman, S.H. 112: 53
Epstein, S., see Stone, J. et al. 107: 570
Erba, E., see Channell, J.E.T. and Erba, E. 108: 161
Erba, E., see Channell, J.E.T. and Erba, E. 110: 245
Etheridge, D.M., see Martinerie, P. et al. 112: 1

Falloon, T.J., see Eggins, S.M. et al. 107: 448
Falloon, T.J., see Sweeney, R.J. et al. 107: 256
Farley, K.A., Natland, J.H. and Craig, H., Binary mixing of enriched and undegassed (primitive?) mantle components (He, Sr, Nd, Pb) in Samoan lavas 111: 183
Farquhar, R.M., see Smith, P.E. et al. 107: 434
Féraud, G., see De Jong, K. et al. 110: 173
Fiala-Medioni, A., see Lallemand, S.E. et al. 109: 333
Fink, D., Klein, J., Middleton, R., Vogt, S. and Herzog, G.F., $^{41}$Ca iron falls, Grant and Estherville: production rates and related exposure age calculations 107: 115
Finnegan, D.L., see Krähenbühl, U. et al. 110: 95
Firth, J., see Taira, A. et al. 109: 431
Fisher, A., see Hyndman, R.D. et al. 109: 289
Fisher, A., see Taira, A. et al. 109: 431
Fisher, A., see Yamano, M. et al. 109: 451
Fisk, M.R., see Keller, R.A. et al. 111: 287
Fitz Gerald, J.D., see Kesson, S.E. and Fitz Gerald, J.D. 111: 229
Floss, C. and Crozaz, G., Ce anomalies in the LEW85300 eucrite: evidence for REE mobilization during Antarctic weathering 107: 13
Fontugne, M., see Lalou, C. et al. 109: 419
Foucher, J.-P., see Chamot-Rooke, N. et al. 109: 319
Foucher, J.-P., see Henry, P. et al. 109: 355
Foucher, J.-P., see Taira, A. et al. 109: 431
Foucher, J.-P., see Yamano, M. et al. 109: 451
Foucher, J.-P., Henry, P., Le Pichon, X. and Kobayashi, K., Time-variations of fluid expulsion velocities at the toe of the eastern Nankai accretionary complex 109: 373

Foucher, J.P., see Hyndman, R.D. et al. 109: 289
Fourcade, S., see Sigmarsson, O. et al. 110: 149
Francheteau, J., see Hekinian, R. et al. 108: 259
Francheteau, J., Armijo, R., Cheminee, J.L., Hekinian, R., Lonsdale, P. and Blum, N., Dyke complex of the East Pacific Rise exposed in the walls of Hess Deep and the structure of the upper oceanic crust 111: 109
Fraser, G., see Sandiford, M. et al. 107: 164
Froelich, P.N., see Keigwin, L.D. et al. 111: 425
Froget, L., see Jéhanno, C. et al. 109: 229
Froget, L., see Robin, E. et al. 107: 715
Froget, L., see Robin, E. et al. 108: 181
Fruit, D.J., see Hillegeist, T.K. et al. 109: 531
Fujimoto, H., see Kobayashi, K. et al. 109: 347
Funahara, S., see Otofuji, Y. et al. 107: 369
Furuta, T., see Chamot-Rooke, N. et al. 109: 319
Furuta, T., see Henry, P. et al. 109: 355
Furuta, T., see Kobayashi, K. et al. 109: 347

Gamo, T., see Chamot-Rooke, N. et al. 109: 319
Gamo, T., see Igarashi, G. et al. 108: 11
Gamo, T., see Sakai, H. et al. 109: 391
Gamo, T., see Taira, A. et al. 109: 431
Gamo, T., Sakai, H., Ishibashi, J., Shitashima, K. and Boulègue, J., Methane, ethane and total inorganic carbon in fluid samples taken during the 1989 Kaiko-Nankai project 109: 383
Gamo, T., Sakai, H., Kim, E.-S., Shitashima, K. and Ishibashi, J., High alkalinity due to sulfate reduction in the CLAM hydrothermal field, Okinawa Trough 107: 328
García-Dueñas, V., see Torné, M. et al. 110: 163
Gasquet, D., Leterrier, J., Mrini, Z. and Vidal, P., Petrogenesis of the Hercynian Tichka plutonic complex (Western High Atlas, Morocco): Trace element and Rb-Sr and Sm-Nd isotope constraints 108: 29
Gehring, A.U., see Keller, P. and Gehring, A.U. 111: 49
Geissbühler, M., see Krähenbühl, U. et al. 110: 95
German, C.R., Campbell, A.C. and Edmond, J.M., Hydrothermal scavenging at the Mid-Atlantic Ridge: Modification of trace element dissolved fluxes 107: 101
Gieskes, J., see Taira, A. et al. 109: 431
Gieskes, J.M., see Bourlès, D.L. et al. 109: 47
Giggenbach, W.F., see Le Cloarec, M.F. et al. 108: 19
Giletti, B.J., see Sharp, Z.D. et al. 107: 339
Gill, J.B., see Williams, R.W. et al. 111: 257
Gillis, K., see Chan, L.H. et al. 108: 151
Glaçon, G., see Chamot-Rooke, N. et al. 109: 319
Glaçon, G., see Lallemand, S.E. et al. 109: 333
Glass, B.P., Kent, D.V., Schneider, D.A. and Tauxe, L., Ivory Coast microtektite strewn field: description and relation to the Jaramillo geomagnetic event 107: 182
Gögen, K., see Eisenhauer, A. et al. 109: 25
Goldstein, S.J., Murrell, M.T., Janecky, D.R., Delaney, J.R. and Clague, D.A., Geochronology and petrogenesis of MORB from the Juan de Fuca and Gorda ridges by $^{238}U$-$^{230}Th$ disequilibrium 107: 25
Goldstein, S.J., Murrell, M.T., Janecky, D.R., Delaney, J.R. and Clague, D.A., Geochronology and petrogenesis of MORB from the Juan de Fuca and Gorda ridges by $^{238}U$-$^{230}Th$ disequilibrium (erratum) 109: 255
Goodwillie, A.M. and Parsons, B., Placing bounds on lithospheric deformation in the central Pacific Ocean 111: 123
Gorsline, D.S., see Lund, S.P. et al. 108: 93
Gould, W.D., see Krouse, H.R. et al. 107: 90
Graham, D.W., Humphris, S.E., Jenkins, W.J. and Kurz, M.D., Helium isotope geochemistry of some volcanic rocks from Saint Helena 110: 121
Graham, D.W., Jenkins, W.J., Schilling, J.-G., Thompson, G., Kurz, M.D. and Humphris, S.E., Helium isotope geochemistry of mid-ocean ridge basalts from the South Atlantic 110: 133
Green, D.H., see Eggins, S.M. et al. 107: 448
Green, D.H., see Sweeney, R.J. et al. 107: 256
Green, D.H., see Yaxley, G.M. et al. 107: 305
Green, P.F., see Lewis, C.L.E. et al. 112: 131
Grossman, J.N., see Morgan, J.W. et al. 108: 191
Grossman, L., see Simon, S.B. and Grossman, L. 110: 67

Grousset, F.E., Biscaye, P.E., Revel, M., Petit, J.-R., Pye, K., Joussaume, S. and Jouzel, J., Antarctic (Dome C) ice-core dust at 18 k.y. B.P.: Isotopic constraints on origins 111: 175
Grunder, A.L. and Wickham, S.M., Homogenization and lowering of $^{18}O/^{16}O$ in mid-crustal rocks during extension-related magmatism in eastern Nevada 107: 416

Haag, M. and Heller, F., Late Permian to Early Triassic magnetostratigraphy 107: 42
Habfast, K., see Wendt, I. et al. 107: 618
Halliday, A.N., see Koch, P.L. et al. 108: 277
Hallworth, M.A., see Bédard, J.H. et al. 111: 319
Hammond, P.E., see Volpe, A.M. and Hammond, P.E. 107: 475
Hancock, R.G., see Smith, P.E. et al. 107: 434
Handa, N., see Masuzawa, T. et al. 110: 39
Hart, S.R., see Hattori, K. and Hart, S.R. 107: 499
Harvey, R.P. and McSween, H.Y., The parent magma of the nakhlite meteorites: Clues from melt inclusions 111: 467
Hashizume, K., see Sugiura, N. and Hashizume, K. 111: 441
Hattori, K. and Hart, S.R., Osmium-isotope ratios of platinum-group minerals associated with ultramafic intrusions: Os-isotopic evolution of the oceanic mantle 107: 499
Hauschka, P.V., see Ajie, H.O. et al. 107: 380
Heaman, L.M., LeCheminant, A.N. and Rainbird, R.H., Nature and timing of Franklin igneous events, Canada: Implications for a Late Proterozoic mantle plume and the break-up of Laurentia 109: 117
Hébert, R., see Hekinian, R. et al. 108: 259
Heider, F. and Hoffmann, V., Magneto-optical Kerr effect on magnetic crystals with externally applied magnetic fields 108: 131
Hekinian, R., see Francheteau, J. et al. 111: 109
Hekinian, R., Bideau, D., Cannat, M., Francheteau, J. and Hébert, R., Volcanic activity and crust–mantle exposure in the ultrafast Garrett transform fault near 13°28'S in the Pacific 108: 259
Heller, F., see Dobson, J.P. and Heller, F. 111: 11
Heller, F., see Haag, M. and Heller, F. 107: 42
Henry, P., see Chamot-Rooke, N. et al. 109: 319
Henry, P., see Foucher, J.-P. et al. 109: 373
Henry, P., Foucher, J.-P., Le Pichon, X., Sibuet, M., Kobayashi, K., Tarits, P., Chamot-Rooke, N., Furuta, T. and Schultheiss, P., Interpratation of temperature measurements from the Kaiko-Nankai cruise: Modeling of fluid flow in clam colonies 109: 355
Henyey, T.L., see Lund, S.P. et al. 108: 93
Herbert, T.D., Paleomagnetic calibration of Milankovitch cyclicity in Lower Cretaceous sediments 112: 15
Herut, B., Starinsky, A., Katz, A., Paul, M., Boaretto, E. and Berkovits, D., $^{36}Cl$ in chloride-rich rainwater 109: 179
Hervig, R.L. and Dunbar, N.W., Cause of chemical zoning in the Bishop (California) and Bandelier (New Mexico) magma chambers 111: 97
Herzog, G.F., see Fink, D. et al. 107: 115
Hickey-Vargas, R., Isotope characteristics of submarine lavas from the Philippine Sea: implications for the origin of 107: 290
Hieke, W., see Camerlenghi, A. et al. 109: 493
Hilgen, F.J., see Zijderveld, J.D.A. et al. 107: 697
Hilgen, F.J., Extension of the astronomically calibrated (polarity) time scale to the Miocene/Pliocene boundary 107: 349
Hill, I., see Taira, A. et al. 109: 431
Hillegeist, T.K., Fruit, D.J. and Elmore, R.D., Syndeformational magnetization in the Ordovician Bigfork Chert at Black Knob Ridge, western Ouachita Mountains, southern Oklahoma 109: 531
Hoefs, J., see Ionov, D.A. et al. 111: 269
Hoffmann, V., see Heider, F. and Hoffmann, V. 108: 131
Hofmann, A.W., see Chauvel, C. et al. 110: 99
Hofmann, A.W., see Jochum, K.P. et al. 107: 272
Hofmann, A.W., see Mertz, D.F. et al. 107: 243
Holloway, J.R., see Pawley, A.R. et al. 110: 213
Holm, N.G., see Kasting, J.F. and Holm, N.G. 109: 507
Holt, W.E. and Stern, T.A., Sediment loading on the Western Platform of the New Zealand continent: Implications for the strength of a continental margin 107: 523
Hort, M. and Spohn, T., Crystallization calculations for a binary melt cooling at constant rates of heat removal: implications for the crystallization of magma bodies 107: 463
Huang, K. and Opdyke, N.D., Paleomagnetism of Cretaceous to lower Tertiary rocks from Southwestern Sichuan: a revisit 112: 29
Huang, K., Opdyke, N.D., Peng, X. and Li, J., Paleomagnetic results from Upper Permian of the eastern Qiangtang Terrane of Tibet and their tectonic implications 111: 1

Humphrey, J.D., see Banner, J.L. et al. 107: 129
Humphrey, J.D., see Banner, J.L. et al. 108: 307
Humphris, S.E., see Graham, D.W. et al. 110: 121
Humphris, S.E., see Graham, D.W. et al. 110: 133
Hurford, A.J., see Lewis, C.L.E. et al. 112: 131
Huston, T.J., see Koch, P.L. et al. 108: 277
Hutcheon, I.D., see Stone, J. et al. 107: 570
Hyndman, R., see Taira, A. et al. 109: 431
Hyndman, R.D., see Yamano, M. et al. 109: 451
Hyndman, R.D., Foucher, J.P., Yamano, M. and Fisher, A., Deep sea bottom-simulating-reflectors: calibration of the base of the hydrate stability field as used for heat flow estimates 109: 289

Igarashi, G., Ozima, M., Ishibashi, J., Gamo, T., Sakai, H., Nojiri, Y. and Kawai, T., Mantle helium flux from the bottom of Lake Mashu, Japan 108: 11
Igarashi, J., see Sano, Y. et al. 107: 95
Iiyama, J.T., see Kobayashi, K. et al. 109: 347
Iiyama, J.T., see Lallemand, S.E. et al. 109: 333
Ionov, D.A., Hoefs, J., Wedepohl, K.H. and Wiechert, U., Content and isotopic composition of sulphur in ultramafic xenoliths from central Asia 111: 269
Ireland, T.R. and Wlotzka, F., The oldest zircons in the solar system 109: 1
Irwin, J.J., see Böhlke, J.K. and Irwin, J.J. 110: 51
Ishibashi, J., see Gamo, T. et al. 107: 328
Ishibashi, J., see Gamo, T. et al. 109: 383
Ishibashi, J., see Igarashi, G. et al. 108: 11
Itaya, T., see Shibuya, H. et al. 111: 41
Iturralde-Vinent, M.A., A short note on the Cuban late Maastrichtian megaturbidite (an impact-derived deposit?) 109: 225

J.-P. Cogné, and Canot-Laurent, S., Simple shear experiments on magnetized wax–hematite samples 112: 147
Jambon, A., see Déruelle, B. et al. 108: 217
Janecky, D.R., see Goldstein, S.J. et al. 107: 25
Janecky, D.R., see Goldstein, S.J. et al. 109: 255
Janecky, D.R., see Thomson, R.E. et al. 111: 141
Javoy, M., see Robert, F. et al. 108: 1
Javoy, M. and Pineau, F., The volatiles record of a "popping" rock from the Mid-Atlantic Ridge at 14°N: chemical and isotopic composition of gas trapped in the vesicles 107: 598
Jéhanno, C., see Robin, E. et al. 107: 715
Jéhanno, C., see Robin, E. et al. 108: 181
Jéhanno, C., Boclet, D., Froget, L., Lambert, B., Robin, E., Rocchia, R. and Turpin, L., The Cretaceous–Tertiary boundary at Beloc, Haiti: No evidence for an impact in the Caribbean area 109: 229
Jenkins, W.J., see Graham, D.W. et al. 110: 133
Jenkins, W.J., see Graham, D.W. et al. 110: 121
Jessberger, E.K., Bohsung, J., Chakaveh, S. and Traxel, K., The volatile element enrichment of chondritic interplanetary dust particles 112: 91
Jochum, K.P., Arndt, N.T. and Hofmann, A.W., Nb-Th-La in komatiites and basalts: constraints on komatiite petrogenesis and mantle evolution 107: 272
Johannessen, T., see Talbot, M.R. and Johannessen, T. 110: 23
Johnson, B.D., see Mayhew, M.A. et al. 107: 515
Jones, G.A., see Keigwin, L.D. et al. 111: 425
Joron, J.L., see Schiano, P. et al. 111: 69
Joussaume, S., see Grousset, F.E. et al. 111: 175
Jouzel, J., see Grousset, F.E. et al. 111: 175

Kadoi, J., see Otofuji, Y. et al. 107: 369
Kaplan, I.R., see Ajie, H.O. et al. 107: 380
Karig, D., see Maltman, A. et al. 109: 463
Karig, D., see Taira, A. et al. 109: 431
Kasting, J.F. and Holm, N.G., What determines the volume of the oceans? 109: 507
Kastner, M., see Taira, A. et al. 109: 431
Kato, Y., see Taira, A. et al. 109: 431
Katz, A., see Herut, B. et al. 109: 179

Kawai, T., see Igarashi, G. et al. 108: 11
Keigwin, L.D., Jones, G.A. and Froelich, P.N., A 15,000 year paleoenvironmental record from Meiji Seamount, far northwestern Pacific 111: 425
Keil, K., see Wilson, L. and Keil, K. 107: 432
Keller, P. and Gehring, A.U., Different weathering stages indicated by the magnetization of limestones: An example from the southeast Pyrenees, Spain 111: 49
Keller, R.A., Fisk, M.R., White, W.M. and Birkenmajer, K., Isotopic and trace element constraints on mixing and melting models of marginal basin volcanism, Bransfield Strait, Antarctica 111: 287
Kelley, S.P., see Burgess, R. et al. 109: 147
Kelley, S.P. and Turner, G., Laser probe $^{40}Ar$-$^{39}Ar$ measurements of loss profiles within individual hornblende grains from the Giants Range Granite, northern Minnesota, USA 107: 634
Kent, D.V., see Glass, B.P. et al. 107: 182
Kent, D.V., see Schneider, D.A. et al. 111: 395
Kenyon, P., see Spiegelman, M. and Kenyon, P. 109: 611
Kerr, R.C., see Bédard, J.H. et al. 111: 319
Kerrich, R., see Claoué-Long, J.C. et al. 109: 601
Kesson, S.E. and Fitz Gerald, J.D., Partitioning of MgO, FeO, NiO, MnO and $Cr_2O_3$ between magnesian silicate perovskite and magnesiowüstite: implications for the origin of inclusions in diamond and the composition of the lower mantle 111: 229
Kim, E.-S., see Gamo, T. et al. 107: 328
Kim, K.H. and McMurtry, G.M., Radial growth rates and $^{210}Pb$ ages of hydrothermal massive sulfides from the Juan de fuca ridge (erratum) 107: 231
King, R.W., see Claoué-Long, J.C. et al. 109: 601
King, S.D., see Staudigel, H. and King, S.D. 109: 517
Kinoshita, M., see Yamano, M. et al. 109: 451
Kissel, C., see Mitouard, P. et al. 112: 41
Kitagawa, H., see Masuzawa, T. et al. 110: 39
Klein, J., see Fink, D. et al. 107: 115
Klein, J., see Monaghan, M.C. et al. 111: 483
Kobayashi, K., see Chamot-Rooke, N. et al. 109: 319
Kobayashi, K., see Foucher, J.-P. et al. 109: 373
Kobayashi, K., see Henry, P. et al. 109: 355
Kobayashi, K., see Le Pichon, X. and Kobayashi, K. 109: 303
Kobayashi, K., Ashi, J., Boulegue, J., Cambray, H., Chamot-Rooke, N., Fujimoto, H., Furuta, T., Iiyama, J.T., Koizumi, T., Mitsuzawa, K., Monma, H., Murayama, M., Naka, J., Nakanishi, M., Ogawa, Y., Otsuka, K., Okada, M., Oshida, A., Shima, N., Soh, W., Takeuchi, A., Watanabe, M. and Yamagata, T., Deep-tow survey in the KAIKO-Nankai cold seepage areas 109: 347
Koch, P.L., Halliday, A.N., Walter, L.M., Stearley, R.F., Huston, T.J. and Smith, G.R., Sr isotopic composition of hydroxyapatite from recent and fossil salmon: the record of lifetime migration and diagenesis 108: 277
Koizumi, T., see Kobayashi, K. et al. 109: 347
Krähenbühl, U., Geissbühler, M., Bühler, F., Eberhardt, P. and Finnegan, D.L., Osmium isotopes in the aerosols of the mantle volcano Mauna Loa 110: 95
Krishnaswami, S., Trivedi, J.R., Sarin, M.M., Ramesh, R. and Sharma, K.K., Strontium isotopes and rubidium in the Ganga–Brahmaputra river system: Weathering in the Himalaya, fluxes to the Bay of Bengal and contributions to the evolution of oceanic $^{87}Sr/^{86}Sr$ 109: 243
Kroneberg, B.I., see MacRae, N.D. et al. 109: 585
Krouse, H.R., Gould, W.D., McCready, R.G.L. and Rajan, S., $^{18}O$ incorporation into sulphate during bacterial oxidation of sulphide minerals and the potential for oxygen isotope exchange between $O_2$, $H_2O$ and oxidized sulphur intermediates 107: 90
Kulm, L.D., see MacKay, M.E. et al. 109: 477
Kuramoto, S., see Chamot-Rooke, N. et al. 109: 319
Kurz, M.D., see Graham, D.W. et al. 110: 121
Kurz, M.D., see Graham, D.W. et al. 110: 133
Kusakabe, M., see Masuzawa, T. et al. 110: 39

Laborel, F., see Stiros, S.C. et al. 108: 109
Laborel, J., see Stiros, S.C. et al. 108: 109
Laj, C., see Mazaud, A. and Laj, C. 107: 689
Laj, C., see Mitouard, P. et al. 112: 41
Lal, D., see Somayajulu, B.L.K. et al. 107: 197

Lallemand, S.E., see Lalou, C. et al. 109: 419
Lallemand, S.E., see Vénec-Peyré, M.-T. et al. 109: 405
Lallemand, S.E., Glaçon, G., Lauriat-Rage, A., Fiala-Medioni, A., Cadet, J.-P., Beck, C., Sibuet, M., Iiyama, J.T., Sakai, H. and Taira, A., Seafloor manifestations of fluid seepage at the top of a 2000-metre-deep ridge in the eastern Nankai accretionary wedge: Long-lived venting and tectonic implications 109: 333
Lallemant, S., see Maltman, A. et al. 109: 463
Lallemant, S., see Taira, A. et al. 109: 431
Lallemant, S.J., see Chamot-Rooke, N. et al. 109: 319
Lalou, C., Fontugne, M., Lallemand, S.E. and Lauriat-Rage, A., *Calyptogena*-cemented rocks and concretions from the eastern part of Nankai accretionary prism: Age and geochemistry of uranium 109: 419
Lambert, B., see Jéhanno, C. et al. 109: 229
Lancelot, J.R. and Bosch, D., A Pan African age for the HP-HT granulite gneisses of Zabargad island: implications for the early stages of the Red Sea rifting 107: 539
Langereis, C.G., see Zijderveld, J.D.A. et al. 107: 697
Lanier, A.B., see Lofgren, G.E. and Lanier, A.B. 111: 455
Lapierre, H., Ortiz, L.E., Abouchami, W., Monod, O., Coulon, C. and Zimmermann, J.-L., A crustal section of an intra-oceanic island arc: The Late Jurassic–Early Cretaceous Guanajuato magmatic sequence, central Mexico 108: 61
Larson, R.L. and Olson, P., Mantle plumes control magnetic reversal frequency 107: 437
LaTourrette, T.Z. and Burnett, D.S., Experimental determination of U and Th partitioning between clinopyroxene and natural and synthetic basaltic liquid 110: 227
Lauriat-Rage, A., see Lallemand, S.E. et al. 109: 333
Lauriat-Rage, A., see Lalou, C. et al. 109: 419
Le Cloarec, M.F., Allard, P., Ardouin, B., Giggenbach, W.F. and Sheppard, D.S., Radioactive isotopes and trace elements in gaseous emissions from White Island, New Zealand 108: 19
Le Pichon, X., see Chamot-Rooke, N. et al. 109: 319
Le Pichon, X., see Foucher, J.-P. et al. 109: 373
Le Pichon, X., see Henry, P. et al. 109: 355
Le Pichon, X. and Kobayashi, K., Fluid venting activity within the eastern Nankai Trough accretionary wedge: A summary of the 1989 Kaiko-Nankai results 109: 303
LeCheminant, A.N., see Heaman, L.M. et al. 109: 117
Leeman, W.P., see Moran, A.E. et al. 111: 331
Leterrier, J., see Gasquet, D. et al. 108: 29
Lewis, C.L.E., Green, P.F., Carter, A. and Hurford, A.J., Elevated K/T palaeotemperatures throughout Northwest England: three kilometres of Tertiary erosion? 112: 131
Li, J., see Huang, K. et al. 111: 1
Lister, J.R., Steady solutions for feeder dykes in a density-stratified lithosphere 107: 233
Lofgren, G.E. and Lanier, A.B., Dynamic crystallization experiments on the Angra dos Reis achondritic meteorite 111: 455
Lonsdale, P., see Francheteau, J. et al. 111: 109
Lonsdale, P., Blum, N. and Puchelt, H., The RRR triple junction at the southern end of the Pacific–Cocos East Pacific Rise 109: 73
Lonsdale, P., Blum, N. and Puchelt, H., The RRR triple junction at the southern end of the Pacific–Cocos East Pacific Rise (erratum) 110: 246
Lorenzo, J.M. and Vera, E.E., Thermal uplift and erosion across the continent–ocean transform boundary of the southern Exmouth Plateau 108: 79
Louden, K.E., see Osler, J.C. and Louden, K.E. 108: 243
Loutre, M.F., see Berger, A. and Loutre, M.F. 111: 369
Lowrie, W., see Platzman, E. and Lowrie, W. 108: 45
Lu, R., see Taira, A. et al. 109: 431
Lucazeau, F., see Chéry, J. et al. 112: 195
Luck, J.-M. and Allègre, C.J., Osmium isotopes in ophiolites 107: 406
Lund, S.P., Gorsline, D.S. and Henyey, T.L., Rock magnetic characteristics of surficial marine sediments from the California continental borderland 108: 93
Lyons, J.B. and Officer, C.B., Mineralogy and petrology of the Haiti Cretaceous/Tertiary section 109: 205

MacKay, M.E., Moore, G.F., Cochrane, G.R., Moore, J.C. and Kulm, L.D., Landward vergence and oblique structural trends in the Oregon margin accretionary prism: Implications and effect on fluid flow 109: 477
MacRae, N.D., Nesbitt, H.W. and Kroneberg, B.I., Developent of a positive Eu anomaly during diagenesis 109: 585
Mahoney, J.J., see Pyle, D.G. et al. 112: 161
Maltman, A., see Taira, A. et al. 109: 431

Maltman, A., Byrne, T., Karig, D. and Lallemant, S., Structural geological evidence from ODP Leg 131 regarding fluid flow in the Nankai prism, Japan 109: 463
Mangini, A., see Eisenhauer, A. et al. 109: 25
Marrett, R. and Emerman, S.H., The relations between faulting and mafic magmatism in the Altiplano–Puna plateau (central Andes) 112: 53
Martin, N., see Sandiford, M. et al. 107: 164
Martinerie, P., Raynaud, D., Etheridge, D.M., Barnola, J.-M. and Mazaudier, D., Physical and climatic parameters which influence the air content in polar ice 112: 1
Martini, J.E.J., Reply to the comment of W.U. Reimold et al. on "The nature, distribution and genesis of the coesite and stishovite associated with the pseudotachylite of the Vredefort Dome, South Africa" 112: 219
Marzocchi, W., Mulargia, F. and Paruolo, P., The correlation of geomagnetic reversals and mean sea level in the last 150 m.y. 111: 383
Masuda, A., see Amakawa, H. et al. 111: 563
Masuzawa, T., Handa, N., Kitagawa, H. and Kusakabe, M., Sulfate reduction using methane in sediments beneath a bathyal "cold seep" giant clam community off Hatsushima Island, Sagami Bay, Japan 110: 39
Matte, Ph., see Arnaud, N.O. et al. 111: 351
Mayhew, M.A., Wasilewski, P.J. and Johnson, B.D., Crustal magnetization and temperature at depth beneath the Yilgarn block, Western Australia inferred from Magsat data 107: 515
Mazaud, A. and Laj, C., The 15 m.y. geomagnetic reversal periodicity: a quantitative test 107: 689
Mazaudier, D., see Martinerie, P. et al. 112: 1
McClain, J.S., see Thomson, R.E. et al. 111: 141
McCready, R.G.L., see Krouse, H.R. et al. 107: 90
McDuff, R.E., see Thomson, R.E. et al. 111: 141
McKean, J., see Monaghan, M.C. et al. 111: 483
McMillan, P.F., see Pawley, A.R. et al. 110: 213
McMurtry, G., see Cheminée, J.-L. et al. 107: 318
McMurtry, G.M., see Kim, K.H. and McMurtry, G.M. 107: 231
McSween, H.Y., see Harvey, R.P. and McSween, H.Y. 111: 467
Mello, G.A., see Schneider, D.A. et al. 111: 395
Mendelssohn, M.J., see Boyd, S.R. et al. 109: 633
Mertz, D.F., Devey, C.W., Todt, W., Stoffers, P. and Hofmann, A.W., Sr-Nd-Pb isotope evidence against plume-asthenosphere mixing north of Iceland 107: 243
Middleton, R., see Fink, D. et al. 107: 115
Milledge, H.J., see Boyd, S.R. et al. 108: 139
Milledge, H.J., see Boyd, S.R. et al. 109: 633
Mitouard, P., Laj, C., Mourier, T. and Kissel, C., Paleomagnetic study of an arcuate fold belt developed on a marginal orogen: The Cajamarca deflection, northern Peru 112: 41
Mitsuzawa, K., see Kobayashi, K. et al. 109: 347
Monaghan, M.C., McKean, J., Dietrich, W. and Klein, J., $^{10}$Be chronometry of bedrock-to-soil conversion rates 111: 483
Monma, H., see Kobayashi, K. et al. 109: 347
Monod, O., see Lapierre, H. et al. 108: 61
Montgomery, H., Pessagno, E., Soegaard, K., Smith, C., Muñoz, I. and Pessagno, J., Misconceptions concerning the Cretaceous/Tertiary boundary at the Brazos River, Falls County, Texas 109: 593
Moore, G., see Taira, A. et al. 109: 431
Moore, G.F., see MacKay, M.E. et al. 109: 477
Moore, J.C., see MacKay, M.E. et al. 109: 477
Moore, W.S., see O'Neill, D.J. et al. 110: 7
Moore, W.S. and Dymond, J., Fluxes of $^{226}$Ra and barium in the Pacific Ocean: The importance of boundary processes 107: 55
Moran, A.E., Sisson, V.B. and Leeman, W.P., Boron depletion during progressive metamorphism: Implications for subduction processes 111: 331
Moran, K., see Taira, A. et al. 109: 431
Morden, S.J. and Collinson, D.W., The implications of the magnetism of ordinary chondrite meteorites 109: 185
Morgan, J.P., see Cordery, M.J. and Morgan, J.P. 111: 493
Morgan, J.W., Walker, R.J. and Grossman, J.N., Rhenium-osmium isotope systematics in meteorites I: Magmatic iron meteorite groups IIAB and IIIAB 108: 191
Mourier, T., see Mitouard, P. et al. 112: 41
Mrini, Z., see Gasquet, D. et al. 108: 29
Mueller, P.A., see Müller, D.W. and Mueller, P.A. 107: 1
Mulargia, F., see Marzocchi, W. et al. 111: 383

Müller, D.W. and Mueller, P.A., Origin and age of the Mediterranean Messinian evaporites: implications from Sr isotopes 107: 1
Muñoz, I., see Montgomery, H. et al. 109: 593
Murata, F., see Otofuji, Y. et al. 107: 369
Murayama, M., see Kobayashi, K. et al. 109: 347
Murrell, M.T., see Goldstein, S.J. et al. 107: 25
Murrell, M.T., see Goldstein, S.J. et al. 109: 255

Naka, J., see Kobayashi, K. et al. 109: 347
Nakanishi, M., see Kobayashi, K. et al. 109: 347
Natland, J.H., see Farley, K.A. et al. 111: 183
Nesbitt, H.W., see MacRae, N.D. et al. 109: 585
Nojiri, Y., see Igarashi, G. et al. 108: 11
Notsu, K., see Sano, Y. et al. 107: 95
Nyquist, L.E., see Shih, C.-Y. et al. 108: 203

O'Neill, D.J., Todd, J.F. and Moore, W.S., $^{226}$Ra in the Black Sea and Sea of Marmara 110: 7
O'Nions, R.K., see Burton, K.W. and O'Nions, R.K. 107: 649
Oeschger, H., see Chengde, S. et al. 109: 169
Officer, C.B., see Lyons, J.B. and Officer, C.B. 109: 205
Ogawa, Y., see Chamot-Rooke, N. et al. 109: 319
Ogawa, Y., see Kobayashi, K. et al. 109: 347
Ogawa, Y., see Sakai, H. et al. 109: 391
Ogg, J.G. and Steiner, M.B., Early Triassic magnetic polarity time scale—integration of magnetostratigraphy, ammonite zonation and sequence stratigraphy from stratotype sections (Canadian Arctic Archipelago) 107: 69
Okada, M., see Kobayashi, K. et al. 109: 347
Okano, J., see Uyeda, C. et al. 107: 138
Olaffson, G., see Taira, A. et al. 109: 431
Olóriz, F., Rodríguez-Tovar, F.J., Chica-Olmo, M. and Pardo, E., The marl–limestone rhythmites from the Lower Kimmeridgian (Platynota Zone) of the central Prebetic and their relationship with variations in orbital parameters 111: 407
Olson, P., see Larson, R.L. and Olson, P. 107: 437
Opdyke, N.D., see Huang, K. and Opdyke, N.D. 112: 29
Opdyke, N.D., see Huang, K. et al. 111: 1
Ortiz, L.E., see Lapierre, H. et al. 108: 61
Oshida, A., see Kobayashi, K. et al. 109: 347
Osler, J.C. and Louden, K.E., Crustal structure of an extinct rift axis in the Labrador Sea: preliminary results from a seismic refraction survey 108: 243
Otofuji, Y., Kadoi, J., Funahara, S., Murata, F. and Zheng, X., Paleomagnetic study of the Eocene Quxu pluton of the Gangdese Belt: Crustal deformation along the Indus–Zangbo suture zone in southern Tibet 107: 369
Otsuka, K., see Kobayashi, K. et al. 109: 347
Owens, W., see Taira, A. et al. 109: 431
Ozima, M., see Igarashi, G. et al. 108: 11

Palmer, M.R., Controls over the chloride concentration of submarine hydrothermal vent fluids: evidence from Sr/Ca and $^{87}Sr/^{86}Sr$ ratios 109: 37
Papageorgiou, S., see Stiros, S.C. et al. 108: 109
Pardo, E., see Olóriz, F. et al. 111: 407
Parsons, B., see Goodwillie, A.M. and Parsons, B. 111: 123
Parsons, I., see Burgess, R. et al. 109: 147
Paruolo, P., see Marzocchi, W. et al. 111: 383
Paul, M., see Herut, B. et al. 109: 179
Pawley, A.R., Holloway, J.R. and McMillan, P.F., The effect of oxygen fugacity on the solubility of carbon–oxygen fluids in basaltic melt 110: 213
Pegram, W.J. and Allègre, C.-J., Osmium isotopic compositions from oceanic basalts 111: 59
Peng, X., see Huang, K. et al. 111: 1
Pernicka, E., see Eisenhauer, A. et al. 109: 25
Pessagno, E., see Montgomery, H. et al. 109: 593
Pessagno, J., see Montgomery, H. et al. 109: 593
Petit, J.-R., see Grousset, F.E. et al. 111: 175
Phillips, R.J., see Smrekar, S.E. and Phillips, R.J. 107: 582

Pickering, K., see Taira, A. et al. 109: 431
Pillinger, C.T., see Boyd, S.R. et al. 108: 139
Pillinger, C.T., see Boyd, S.R. et al. 109: 633
Pineau, F., see Javoy, M. and Pineau, F. 107: 598
Piper, J.D.A., The quasi-rigid premise in Precambrian tectonics 107: 559
Pirazzoli, P.A., see Stiros, S.C. et al. 108: 109
Platzman, E. and Lowrie, W., Paleomagnetic evidence for rotation of the Iberian Peninsula and the external Betic Cordillera, Southern Spain 108: 45
Potts, R., see Tauxe, L. et al. 109: 561
Puchelt, H., see Lonsdale, P. et al. 109: 73
Puchelt, H., see Lonsdale, P. et al. 110: 246
Puteanus, D., see Cheminée, J.-L. et al. 107: 318
Pye, K., see Grousset, F.E. et al. 111: 175
Pyle, D.G., Christie, D.M. and Mahoney, J.J., Resolving an isotopic boundary within the Australian–Antarctic Discordance 112: 161
Pyle, D.M., The volume and residence time of magma beneath active volcanoes determined by decay-series disequilibria methods 112: 61

Qin, Zhenwei, Disequilibrium partial melting model and its implications for trace element fractionations during mantle melting 112: 75
Quidelleur, X., Valet, J.-P. and Thouveny, N., Multicomponent magnetization in paleomagnetic records of reversals from continental sediments in Bolivia 111: 23

Rainbird, R.H., see Heaman, L.M. et al. 109: 117
Raisbeck, G.M., see Bourlès, D.L. et al. 109: 47
Rajan, S., see Krouse, H.R. et al. 107: 90
Ramesh, R., see Krishnaswami, S. et al. 109: 243
Ravizza, G. and Turekian, K.K., The osmium isotopic composition of organic-rich marine sediments 110: 1
Raynaud, D., see Martinerie, P. et al. 112: 1
Reimold, W.U., Colliston, W.P. and Wallmach, T., Comment on "The nature, distribution and genesis of the coesite and stishovite associated with the pseudotachylite of the Vredefort Dome, South Africa" by J.E.J. Martini 112: 213
Rejou-Michel, A., see Robert, F. et al. 108: 1
Rengarajan, R., see Somayajulu, B.L.K. et al. 107: 197
Revel, M., see Grousset, F.E. et al. 111: 175
Ricard, Y., see Čadek, O. and Ricard, Y. 109: 621
Ricchiuto, T., see Camerlenghi, A. et al. 109: 493
Richnow, H., see Cheminée, J.-L. et al. 107: 318
Richter, F.M., see Schrag, D.P. et al. 111: 305
Richter, F.M., Rowley, D.B. and DePaolo, D.J., Sr isotopic evolution of seawater: the role of tectonics 109: 11
Ringwood, A.E., Volatile and siderophile element geochemistry of the Moon: a reappraisal 111: 537
Robert, F., Rejou-Michel, A. and Javoy, M., Oxygen isotope homogeneity of the Earth: new evidence 108: 1
Robin, E., see Jéhanno, C. et al. 109: 229
Robin, E., Boclet, D., Bonté, Ph., Froget, L., Jéhanno, C. and Rocchia, R., The stratigraphic distribution of Ni-rich spinels in Cretaceous–Tertiary boundary rocks at El Kef (Tunisia), Caravaca (Spain) and Hole 761C (Leg 122) 107: 715
Robin, E., Bonté, Ph., Froget, L., Jéhanno, C. and Rocchia, R., Formation of spinels in cosmic objects during atmospheric entry: a clue to the Cretaceous–Tertiary boundary event 108: 181
Rocchia, R., see Jéhanno, C. et al. 109: 229
Rocchia, R., see Robin, E. et al. 108: 181
Rocchia, R., see Robin, E. et al. 107: 715
Rodríguez-Tovar, F.J., see Olóriz, F. et al. 111: 407
Rona, P.A. and Trivett, D.A., Discrete and diffuse heat transfer at ASHES vent field, Axial Volcano, Juan de Fuca Ridge 109: 57
Rowley, D.B., see Richter, F.M. et al. 109: 11

Sakai, H., see Gamo, T. et al. 107: 328
Sakai, H., see Gamo, T. et al. 109: 383
Sakai, H., see Igarashi, G. et al. 108: 11
Sakai, H., see Lallemand, S.E. et al. 109: 333
Sakai, H., Gamo, T., Ogawa, Y. and Boulegue, J., Stable isotopic ratios and origins of the carbonates associated with cold seepage at the eastern Nankai Trough 109: 391

Sandiford, M., Martin, N., Zhou, S. and Fraser, G., Mechanical consequences of granite emplacement during high-*T*, low-*P* metamorphism and the origin of "anticlockwise" *PT* paths 107: 164
Sano, Y., Notsu, K., Igarashi, J. and Wakita, H., Secular variations in helium isotope ratios in an active volcano: Eruption and plug hypothesis 107: 95
Sarin, M.M., see Krishnaswami, S. et al. 109: 243
Schiano, P., Clocchiatti, R. and Joron, J.L., Melt and fluid inclusions in basalts and xenoliths from Tahaa Island, Society Archipelago: evidence for a metasomatized upper mantle 111: 69
Schilling, J.-G., see Graham, D.W. et al. 110: 133
Schneider, D.A., see Glass, B.P. et al. 107: 182
Schneider, D.A., Kent, D.V. and Mello, G.A., A detailed chronology of the Australasian impact event, the Brunhes–Matuyama geomagnetic polarity reversal, and global climate change 111: 395
Schrag, D.P., DePaolo, D.J. and Richter, F.M., Oxygen isotope exchange in a two-layer model of oceanic crust 111: 305
Schultheiss, P., see Chamot-Rooke, N. et al. 109: 319
Schultheiss, P., see Henry, P. et al. 109: 355
Seal, M., see Boyd, S.R. et al. 109: 633
Seal, M.J., see Boyd, S.R. et al. 108: 139
Sedwick, P., see Cheminée, J.-L. et al. 107: 318
Segawa, J., see Chamot-Rooke, N. et al. 109: 319
Segawa, J. and Toh, H., Detecting fluid circulation by electric field variations at the Nanlai Trough 109: 469
Sempéré, J.-C., High-magnetization zones near spreading center discontinuities 107: 389
Sharma, K.K., see Krishnaswami, S. et al. 109: 243
Sharp, Z.D., Giletti, B.J. and Yoder, Jr., H.S., Oxygen diffusion rates in quartz exchanged with $CO_2$ 107: 339
Sheppard, D.S., see Le Cloarec, M.F. et al. 108: 19
Sherrell, R.M. and Boyle, E.A., The trace metal composition of suspended particles in the oceanic water column near Bermuda 111: 155
Shibuya, H., Cassidy, J., Smith, I.E.M. and Itaya, T., A geomagnetic excursion in the Brunhes epoch recorded in New Zealand basalts 111: 41
Shih, C.-Y., Nyquist, L.E., Bansal, B.M. and Wiesmann, H., Rb-Sr and Sm-Nd chronology of an Apollo 17 KREEP basalt 108: 203
Shima, N., see Kobayashi, K. et al. 109: 347
Shimizu, H., see Amakawa, H. et al. 111: 563
Shitashima, K., see Gamo, T. et al. 107: 328
Shitashima, K., see Gamo, T. et al. 109: 383
Sibuet, M., see Chamot-Rooke, N. et al. 109: 319
Sibuet, M., see Henry, P. et al. 109: 355
Sibuet, M., see Lallemand, S.E. et al. 109: 333
Siena, F., see Taira, A. et al. 109: 431
Sigmarsson, O., Condomines, M. and Fourcade, S., Mantle and crustal contribution in the genesis of recent basalts from off-rift zones in Iceland: Constraints from Th, Sr and O isotopes 110: 149
Sigurdsson, H., D'Hondt, S. and Carey, S., The impact of the Cretaceous/Tertiary bolide on evaporite terrane and generation of major sulfuric acid aerosol 109: 543
Simon, S.B. and Grossman, L., Low-temperature exsolution in refractory siderophile element-rich opaque assemblages from the Leoville carbonaceous chondrite 110: 67
Sisson, V.B., see Moran, A.E. et al. 111: 331
Smith, C., see Montgomery, H. et al. 109: 593
Smith, G.R., see Koch, P.L. et al. 108: 277
Smith, I.E.M., see Shibuya, H. et al. 111: 41
Smith, P.E., Farquhar, R.M. and Hancock, R.G., Direct radiometric age determination of carbonate diagenesis using U-Pb in secondary calcite (erratum) 107: 434
Smrekar, S.E. and Phillips, R.J., Venusian highlands: geoid to topography ratios and their implications 107: 582
Sobel, H., see Ajie, H.O. et al. 107: 380
Soegaard, K., see Montgomery, H. et al. 109: 593
Soh, W., see Kobayashi, K. et al. 109: 347
Somayajulu, B.L.K., Rengarajan, R., Lal, D. and Craig, H., GEOSECS Pacific and Indian Ocean $^{32}Si$ profiles 107: 197
Sonder, L.J. and Chamberlain, C.P., Tectonic controls of metamorphic field gradients 111: 517
Songshan, W., see Turner, G. and Songshan, W. 110: 193
Spiegelman, M. and Kenyon, P., The requirements for chemical disequilibrium during magma migration 109: 611
Spohn, T., see Hort, M. and Spohn, T. 107: 463

Starinsky, A., see Herut, B. et al. 109: 179
Staudigel, H. and King, S.D., Ultrafast subduction: the key to slab recycling efficiency and mantle differentiation? 109: 517
Stearley, R.F., see Koch, P.L. et al. 108: 277
Steiner, M.B., see Ogg, J.G. and Steiner, M.B. 107: 69
Stern, T.A., see Holt, W.E. and Stern, T.A. 107: 523
Stiros, S.C., Arnold, M., Pirazzoli, P.A., Laborel, J., Laborel, F. and Papageorgiou, S., Historical coseismic uplift on Euboea Island, Greece 108: 109
Stoffers, P., see Cheminée, J.-L. et al. 107: 318
Stoffers, P., see Mertz, D.F. et al. 107: 243
Stolper, E.M., see Zhang, Y. et al. 109: 273
Stone, J., Hutcheon, I.D., Epstein, S. and Wasserburg, G.J., Correlated Si isotope anomalies and large $^{13}C$ enrichments in a family of exotic SiC grains 107: 570
Sugiura, N. and Hashizume, K., Nitrogen isotope anomalies in primitive ordinary chondrites 111: 441
Sun, S.s., see Chung, S.-L. and Sun, S.s. 109: 133
Suter, M., see Chengde, S. et al. 109: 169
Sweeney, R.J., Falloon, T.J., Green, D.H. and Tatsumi, Y., The mantle origins of Karoo picrites 107: 256

Taira, A., see Lallemand, S.E. et al. 109: 333
Taira, A., Hill, I., Firth, J., Berner, U., Brückmann, W., Byrne, T., Chabernaud, T., Fisher, A., Foucher, J.-P., Gamo, T., Gieskes, J., Hyndman, R., Karig, D., Kastner, M., Kato, Y., Lallemant, S., Lu, R., Maltman, A., Moore, G., Moran, K., Olaffson, G., Owens, W., Pickering, K., Siena, F., Taylor, E., Underwood, M., Wilkinson, C., Yamano, M. and Zhang, J., Sediment deformation and hydrogeology of the Nankai Trough accretionary prism: Synthesis of shipboard results of ODP Leg 131 109: 431
Takeuchi, A., see Chamot-Rooke, N. et al. 109: 319
Takeuchi, A., see Kobayashi, K. et al. 109: 347
Talbot, M.R. and Johannessen, T., A high resolution palaeoclimatic record for the last 27,500 years in tropical West Africa from the carbon and nitrogen isotopic composition of lacustrine organic matter 110: 23
Tanoue, E., Vertical distribution of dissolved organic carbon in the North Pacific as determined by the high-temperature 111: 201
Tapponnier, P., see Arnaud, N.O. et al. 111: 351
Tarits, P., see Chamot-Rooke, N. et al. 109: 319
Tarits, P., see Henry, P. et al. 109: 355
Tatsumi, Y., see Sweeney, R.J. et al. 107: 256
Tauxe, L., see Glass, B.P. et al. 107: 182
Tauxe, L., Deino, A.D., Behrensmeyer, A.K. and Potts, R., Pinning down the Brunhes/Matuyama and upper Jaramillo boundaries: a reconciliation of orbital and isotopic time scales 109: 561
Taylor, E., see Taira, A. et al. 109: 431
Thompson, G., see Chan, L.H. et al. 108: 151
Thompson, G., see Graham, D.W. et al. 110: 133
Thomson, R.E., Delaney, J.R., McDuff, R.E., Janecky, D.R. and McClain, J.S., Physical characteristics of the Endeavour Ridge hydrothermal plume during July 1988 111: 141
Thouveny, N., see Quidelleur, X. et al. 111: 23
Todd, J.F., see O'Neill, D.J. et al. 110: 7
Todt, W., see Mertz, D.F. et al. 107: 243
Toh, H., see Segawa, J. and Toh, H. 109: 469
Tokuyama, H., see Chamot-Rooke, N. et al. 109: 319
Torné, M., Banda, E., García-Dueñas, V. and Balanyá, J.C., Mantle-lithosphere bodies in the Alboran crustal domain (Ronda peridotites, Betic–Rif orogenic belt) 110: 163
Traxel, K., see Jessberger, E.K. et al. 112: 91
Trivedi, J.R., see Krishnaswami, S. et al. 109: 243
Trivett, D.A., see Rona, P.A. and Trivett, D.A. 109: 57
Trønnes, R.D., Canil, D. and Wei, K., Element partitioning between silicate minerals and coexisting melts at pressures of 1–27 GPa, and implications for mantle evolution 111: 241
Tsuchiyama, A., see Uyeda, C. et al. 107: 138
Tungsheng, L., see Chengde, S. et al. 109: 169
Turekian, K.K., see Ravizza, G. and Turekian, K.K. 110: 1
Turner, G., see Kelley, S.P. and Turner, G. 107: 634
Turner, G. and Songshan, W., Excess argon, crustal fluids and apparent isochrons from crushing K-feldspar 110: 193
Turpin, L., see Jéhanno, C. et al. 109: 229
Tuttas, D., see Wendt, I. et al. 107: 618

Underwood, M., see Taira, A. et al. 109: 431
Uyeda, C., Tsuchiyama, A. and Okano, J., Magnesium isotope fractionation of silicates produced in condensation experiments 107: 138

Valet, J.-P., see Quidelleur, X. et al. 111: 23
Valley, J.W., see Cartwright, I. and Valley, J.W. 107: 148
van den Berg, A., see van Keken, P. et al. 112: 179
van Keken, P., Yuen, D.A. and van den Berg, A., Pulsating diapiric flows: Consequences of vertical variations in mantle creep laws 112: 179
Veeh, H.H., see Ayliffe, L.K. et al. 108: 119
Vénec-Peyré, M.-T., Boulègue, J. and Lallemand, S.E., Vent activity in a subduction area (Nankai wedge): The foraminiferal record 109: 405
Vera, E.E., see Lorenzo, J.M. and Vera, E.E. 108: 79
Verhallen, P.J.J.M., see Zijderveld, J.D.A. et al. 107: 697
Vidal, P., see Chauvel, C. et al. 110: 99
Vidal, P., see Gasquet, D. et al. 108: 29
Vidal, Ph., see Arnaud, N.O. et al. 111: 351
Vilotte, J.P., see Chéry, J. et al. 112: 195
Vogt, S., see Fink, D. et al. 107: 115
Vollmer, R., On the origin of the Italian potassic magmas: a one-dimensional diffusion-controlled model of source metasomatism 107: 487
Volpe, A.M. and Hammond, P.E., $^{238}U$-$^{230}Th$-$^{226}Ra$ disequilibrium in young Mount St. Helens rocks: time constraint for magma formation and crystallization 107: 475

Wakita, H., see Sano, Y. et al. 107: 95
Walker, F.D.L., see Burgess, R. et al. 109: 147
Walker, R.J., see Morgan, J.W. et al. 108: 191
Wallmach, T., see Reimold, W.U. et al. 112: 213
Walter, L.M., see Koch, P.L. et al. 108: 277
Warren, P.H., Inheritance of silicate differentiation during lunar origin by giant impact 112: 101
Wasilewski, P.J., see Mayhew, M.A. et al. 107: 515
Wasserburg, G.J., see Banner, J.L. et al. 107: 129
Wasserburg, G.J., see Banner, J.L. et al. 108: 307
Wasserburg, G.J., see Stone, J. et al. 107: 570
Wasserburg, G.J., see Zhang, Y. et al. 109: 273
Watanabe, M., see Kobayashi, K. et al. 109: 347
Watson, E.B., see Brenan, J.M. and Watson, E.B. 107: 672
Wedepohl, K.H., see Ionov, D.A. et al. 111: 269
Wei, K., see Trønnes, R.D. et al. 111: 241
Weinberg, R.F., Internal circulation in a buoyant two-fluid Newtonian sphere: implications for composed magmatic diapirs 110: 77
Wendt, I., Carl, C., Habfast, K., Tuttas, D. and Wendt, J.I., Complete Pb/U analysis of unspiked samples by measuring Pb isotopes only 107: 618
Wendt, J.I., see Wendt, I. et al. 107: 618
White, W.M., see Keller, R.A. et al. 111: 287
Wickham, S.M., see Grunder, A.L. and Wickham, S.M. 107: 416
Wiechert, U., see Ionov, D.A. et al. 111: 269
Wiesmann, H., see Shih, C.-Y. et al. 108: 203
Wijbrans, J.R., see De Jong, K. et al. 110: 173
Wilkinson, C., see Taira, A. et al. 109: 431
Williams, R.W., Collerson, K.D., Gill, J.B. and Deniel, C., High Th/U ratios in subcontinental lithospheric mantle: mass spectrometric measurement of Th isotopes in Gaussberg lamproites 111: 257
Wilson, L. and Keil, K., Consequences of explosive eruptions on small Solar System bodies: the case of the missing basalts on the aubrite parent body (erratum) 107: 432
Wlotzka, F., see Ireland, T.R. and Wlotzka, F. 109: 1
Wölfli, W., see Chengde, S. et al. 109: 169
Woods, A.W. and Delaney, J.R., The heat and fluid transfer associated with the flanges on hydrothermal venting structures 112: 117
Worden, R.H., see Burgess, R. et al. 109: 147

Yamagata, T., see Kobayashi, K. et al. 109: 347
Yamaji, A., Periodic hotspot distribution and small-scale convection in the upper mantle 109: 107
Yamano, M., see Hyndman, R.D. et al. 109: 289
Yamano, M., see Taira, A. et al. 109: 431
Yamano, M., Foucher, J.-P., Kinoshita, M., Fisher, A. and Hyndman, R.D., Heat flow and fluid flow regime in the western Nankai accretionary prism 109: 451
Yaxley, G.M., Crawford, A.J. and Green, D.H., Evidence for carbonatite metasomatism in spinel peridotite xenoliths from western Victoria, Australia arc and basin magmas of the Philippine tectonic plate 107: 305
Yiou, F., see Bourlès, D.L. et al. 109: 47
Yoder, Jr., H.S., see Sharp, Z.D. et al. 107: 339
Yuen, D.A., see van Keken, P. et al. 112: 179

Zachariasse, W.J., see Zijderveld, J.D.A. et al. 107: 697
Zhang, J., see Taira, A. et al. 109: 431
Zhang, Y., Stolper, E.M. and Wasserburg, G.J., Diffusion of a multi-species component and its role in oxygen and water transport in silicates (erratum) 109: 273
Zheng, X., see Otofuji, Y. et al. 107: 369
Zhou, S., see Sandiford, M. et al. 107: 164
Zijderveld, J.D.A., Hilgen, F.J., Langereis, C.G., Verhallen, P.J.J.M. and Zachariasse, W.J., Integrated magnetostratigraphy and biostratigraphy of the upper Pliocene–lower Pleistocene from the Monte Singa and Crotone areas in Calabria, Italy 107: 697
Zimmermann, J.-L., see Lapierre, H. et al. 108: 61